

## Issue: Introduced Species - Gulf of the Farallones

3/21/03

**Problem Statement:** Introduced species have been identified in and around Sanctuary waters and have the potential to cause ecological and economic degradation to the affected coastal areas. If detection, preventative, and eradication efforts are not taken, further introduction and spread of introduced species will continue in and adjacent to the Sanctuary and potentially impact Sanctuary resources. Current levels, in terms of abundance and diversity of introduced species are not well documented, nor are the impacts, existing or potential, well understood.

GOAL (what)	OBJECTIVE/STRATEGY (what)	OUTCOME/ACTION (how)
<p>To maintain an abundance and diversity of native marine/ estuarine species:</p> <p>Goal 1: To prevent future introduction of exotic/ invasive species in the Sanctuary.</p> <p>Goal 2: To detect, manage, and where feasible, eradicate new and established exotic/invasive species in the Sanctuary.</p>	<ol style="list-style-type: none"><li>1. Understand the current extent of exotic/invasive species in GFNMS</li><li>2. Create a program to detect and prevent new introductions</li><li>3. Develop management actions to control existing and new introductions</li><li>4. Identify and control current and potential pathways of introduction</li></ol>	<p><b>Education/Outreach</b> 2e/3c/4b. Develop education and outreach program</p> <p><b>Research/Monitoring</b> 1a. Identify existing exotic species and pathways (and the data gaps) in GFNMS 1b. Map known locations of exotic species in GFNMS 2a/3a. Develop a monitoring program to detect new and track existing exotic species</p> <p><b>Marine Resource Protection</b> 2d/3b/4c. Propose regulatory action 3e. Develop an emergency response plan for eradication of detected new introduction 3f. Explore need for damage assessment and eradication restoration programs</p> <p><b>Enforcement</b> 3d/4a. Evaluate need for enforcement</p> <p><b>Administration</b> 2b. Coordinate with other agencies to share information on new introductions 2c. Look at developing taskforce with local agencies and stakeholders</p>